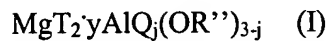


**Abstract**

A catalyst system obtainable by the process comprising the steps of contacting an adduct of formula (I)



wherein T is chlorine, bromine, or iodine; R'' is a linear or branched C<sub>1</sub>-C<sub>10</sub> alkyl radical; y ranges from 1.00 to 0.05; and j ranges from 0.01 to 3.00; with at least one metallocene compound having titanium as central metal and at least one ligand having a cyclopentadienyl skeleton.